Qty:

Each

: FRAME WELDMENT

: D3330041

: N/A

: B1

:NA

: 3/20/2007

D3330 REV B1

Date:

Friday, 2/23/2007 1:59:33 PM

User:

Kim Johnston

Process Sheet

Drawing Name

Part Number

Material

Due Date

Description:

Drawing Number

Project Number

Drawing Revision

: CU-DAR001 Dart Helicopters Services Customer

: 30949 Job Number : 11202 **Estimate Number**

P.O. Number This Issue : 2/23/2007

: NIA

S.O. No. : NA

Prsht Rev. First Issue

: 28614

Туре : LARGE FAB ASSY

Checked & Approved By Comment

New Issue KJ/JLM 05.01.13 : Est.

Additional Product

Previous Run

Written By

Job Number:



Seq. #:

Machine Or Operation:

Panel

1.0 D33301



Comment: Qty.:

1.0000 Each(s)/Unit

Total:

2.0000 Each(s)

Panel Pick:

Qty Part Number Description Batch D3330-1 Panel

D33302 20



Comment: Qty.:

1.0000 Each(s)/Unit Total:

2.0000 Each(s)

Panel Pick:

Qty

Part Number Description

Panel

3.0 D33303



Comment: Qty.:

1.0000 Each(s)/Unit

Total:

2.0000 Each(s)

Panel Pick:

Qty

Part Number Description Batch D3330-3

Panel

1 D33305

Batch

Comment: Qty.:

1.0000 Each(s)/Unit Total:

2.0000 Each(s)

4.0

Rail Pick:

Qty 1 D3330-5

Part Number Description Panel

Dart Aerospace Ltd

W/O:	WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspector

Part No: _	PAR #:	Fault Category:	NCR: Yes No	DQA:	Date:
			QA: N/C (Closed:	Date:

NCR:	WORK ORDER NON-CONFORMANCE (NCF							
		Description of NC		Corrective Action Section B		Verification	A	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
						ļ		
	-							

Date: Üser:

Friday, 2/23/2007 1:59:34 PM

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FRAME WELDMENT

Description:

Job Number: 30949

Part Number: D3330041

Job Number:



Seq. #:

Machine Or Operation:

Panel

5.0

D33307

Comment: Qty.: 1.0000 Each(s)/Unit

Total:

2.0000 Each(s)

Panel Pick:

Qty 1

D3330-7

Part Number Description Batch Panel

D33309 6.0

1.0000 Each(s)/Unit Comment: Qty.:

Total:

2.0000 Each(s)

Top Plate

Pick:

Qtv 1

Part Number D3330-9

Description Panel

lel 07.08.23

7.0

D333011

1.0000 Each(s)/Unit

Total:

2.0000 Each(s)

Long Pin Bracket

Comment: Qty.:

Pick: Qty Part Number

Description

Long Pin Bracket

8.0

1 D333013



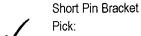
Comment: Qty.:

1.0000 Each(s)/Unit

D3330-11

Total:

2.0000 Each(s)



Pick:

Qty 1

Part Number Description D3330-13

Short Pin Bracket

9.0

D333015

Comment: Qty.:

1.0000 Each(s)/Unit Total:

2.0000 Each(s)

Handle Pick:

Qty Part Number Description D3330-15 Handle

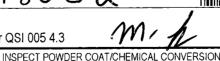
Dart Aerospace Ltd W/O: WORK ORDER CHANGES DATE STEP PROCEDURE CHANGE By Date Qty Chief E. Prod Mg. Part No: _____ PAR #: ___ Fault Category: _____ NCR: Yes No DQA: ___ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:			WORK ORI	DER NON-CONFORMANO	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification	Ammanal	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto
						-		
	-			•				
		6						
		r.						
			,					

Date: Friday, 2/23/2007 1:59:34 PM User: Kim Johnston **Process Sheet** Drawing Name: FRAME WELDMENT Customer: CU-DAR001 Dart Helicopters Services Part Number: D3330041 Job Number: 30949 Job Number: Seq. #: Description: Machine Or Operation: Handle Socket 10.0 D333017 Total: 2.0000 Each(s) Comment: Qtv.: 1.0000 Each(s)/Unit Handle Socket Pick: Part Number Description Qty Handle Socket ' D3330-17 1 D333019 11.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) Handle Rim Pick: Qty Part Number Description Batch Handle Rim D3330-19 LARGE FAB 12.0 Comment: | ARGF FABRICATION RESOURCE 1 Assemble and Weld as per Dwg Dwg D3330 using D3330-041T1 Identify as D3330-041 VISUAL WELDING INSPECTION 13.0 QC9 Comment: VISUAL WELDING INSPECTION 14.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP POWDER COATING 15.0 POWDER COATING Comment: POWDER COATING

Powder Coat Fire Red (Ref: 4.3.5.10) as per QSI 005 4.3



16.0

Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION



Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	•	PAR #: Fault Category: NC	R: Ye	NO DQA	: 4		57/08/29
			ΟΔ.	N/C Classed	1_	Datas	

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		Corrective Action Section B				Ι
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
						,		

Qate:

Friday, 2/23/2007 1:59:34 PM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: FRAME WELDMENT

Job Number: 30949

Part Number: D3330041

Job Number:



Seq. #:

Machine Or Operation:

Description:

17.0

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

18.0

QC21

Comment: FINAL INSPECTION/W/O RELEASE

Job Completion

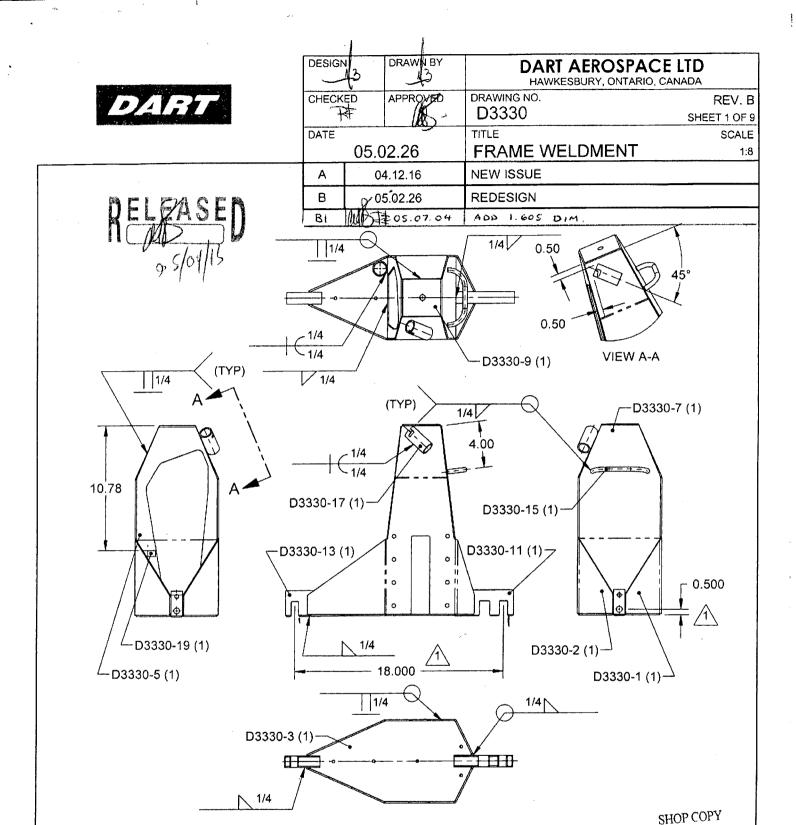


Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #: Fault Category: NCI	R: Yes	No DQ	A :	Date:	

QA: N/C Closed: ____ Date: ___

NCR:		,	E (NCR)					
		Description of NC		Corrective Action Section B		Verification	A	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector



D3330-041 FRAME WELDMENT

RETURN TO ENGINEERING UNCONTROLLED CORY SUBJECT TO AMENDMENT

WITHOUT NOTICE

1) POSITION PARTS AS PER JIG D3330-041T1

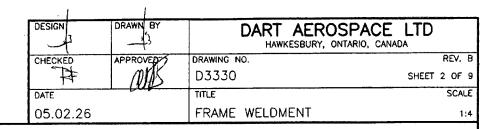
2) WELD PER QSI 004 3) FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 5) ALL DIMENSIONS ARE IN INCHES

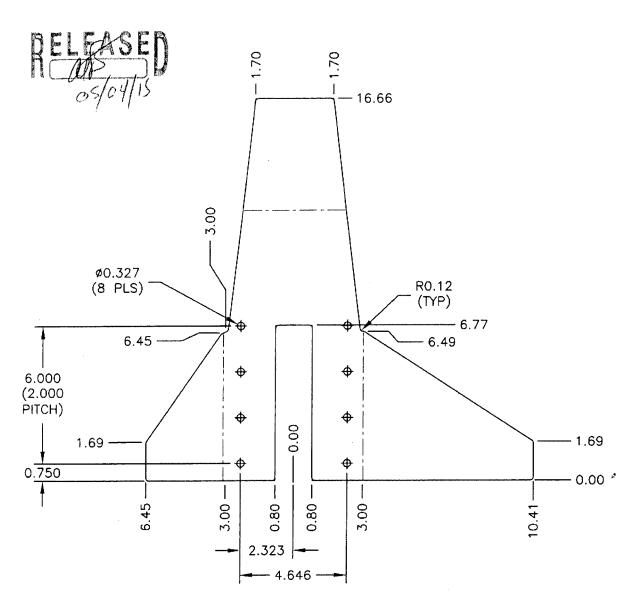
NOTES:

6) BREAK ALL SHARP EDGES 0.010 TO 0.020

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D3330-1 PANEL

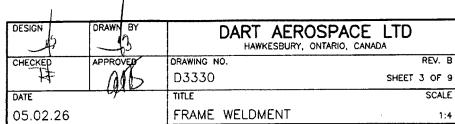
SHOP COPY RETURN TO ENGINEERING

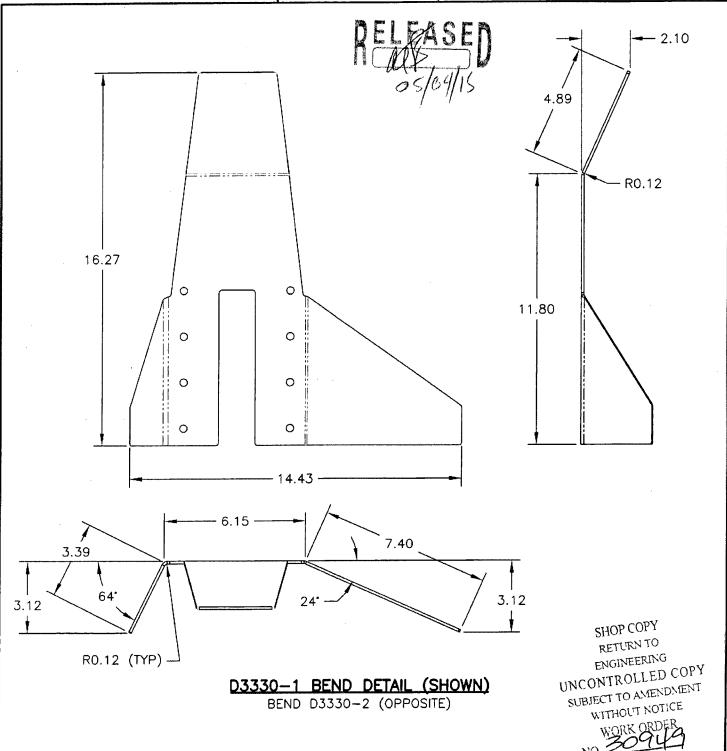
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, UNCONTROLLED COPY 38W/44W/50W/60W/70W SERIES CTEE! 1000-1000 OR CSA G40-21, UNCONTROLLED COPY 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK) SUBJECT TO AMENDMENT ES ARE PER DART OSI 018 UNI 500 OTTO TOTAL CONTROLLED TO THE CONTROLLED TO THE
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

WORK ORDE

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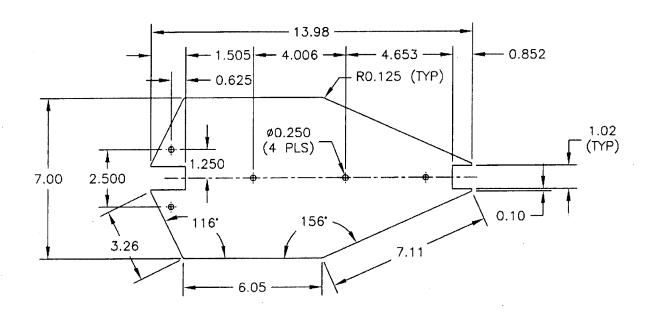






DESIGN 3	DRAWN BY	DART AEROSF HAWKESBURY, ONTAF	· · ·
CHECKED	APPROVIED	DRAWING NO.	REV. B
T#	M	D3330	SHEET 4 OF 9
DATE	- 04	TITLE	SCALE
05.02.26		FRAME WELDMENT	1:4_





D3330-3 PLATE

SHOP COPY RETURN TO

NOTES:

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40 T2/CONTROLLED COP 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK) TTO AMENDMEN
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

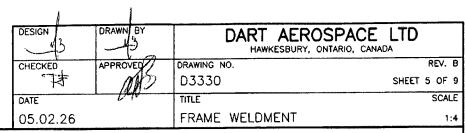
3) ALL DIMENSIONS ARE IN INCHES 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

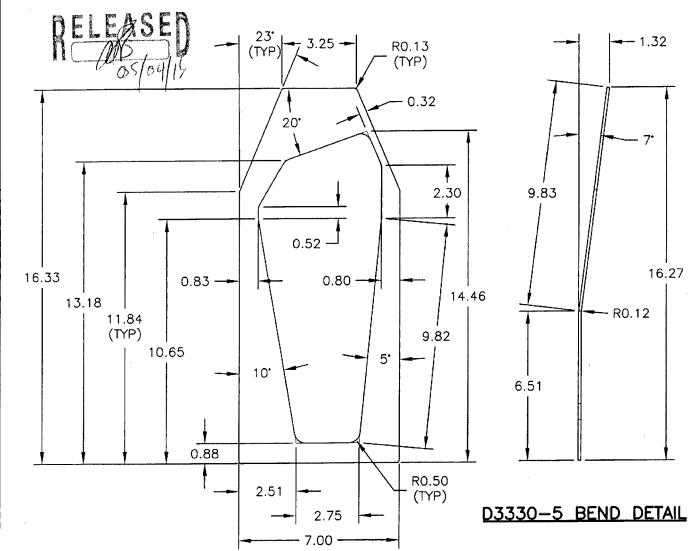
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ENGINEERING







FLAT PATTERN

NOTES:

SHOP COPY

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21 TERRY TO 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125 THICK)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED UNCONTROLLED COPY

 3) ALL DIMENSIONS ARE IN INCLESS. SUBJECT TO AMENDMENT
- 3) ALL DIMENSIONS ARE IN INCHES

WITHOUT NOTICE

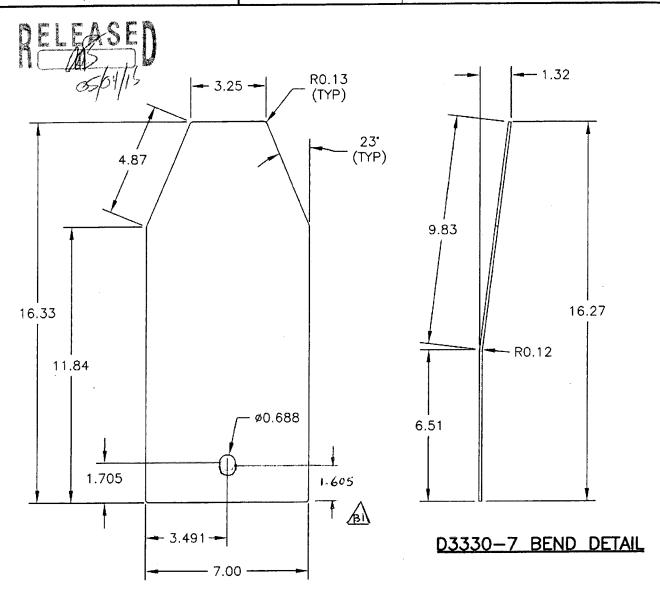
4) BREAK ALL SHARP EDGES 0.005 TO 0.010

WORK ORDE

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DESIGN	DRAWN BY	DART AEROSF HAWKESBURY, ONTAF	
CHECKED	APPROVED	DRAWING NO.	REV. B
一一	1000>	D3330	SHEET 6 OF 9
DATE		TITLE	SCALE
05.02.26		FRAME ASSEMBLY	1:4



FLAT PATTERN

SHOP COPY RETURN TO

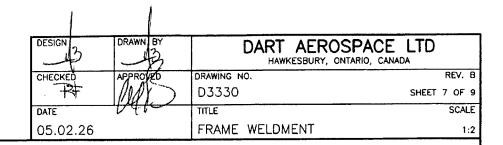
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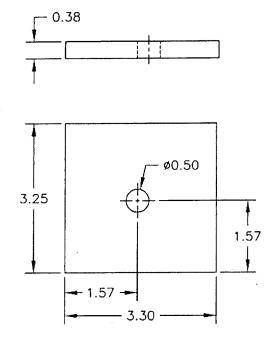
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, ENGINEERING 38W/44W/50W/60W/70W SERIES STEEL 11 GAUGE (0.125UTHOK) ROLLED COP SUBJECT TO AMENDMEN
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

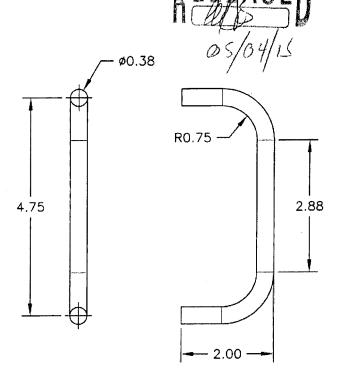
WITHOUT NOTICE

3) ALL DIMENSIONS ARE IN INCHES 4) BREAK ALL SHARP EDGES 0.005 TO 0.010









↑ D3330-9 TOP PLATE

NOTES:

1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008, 0.375 STEEL

(REF. DART SPEC. M1010-B0.375x3.500)

2) MATERIAL: AISI 1018-1025 ROUND BAR PER MIL-S-7097 (REF. DART SPEC. M1018-R0.375)

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

4) ALL DIMENSIONS ARE IN INCHES

5) BREAK ALL SHARP EDGES 0.005 TO 0.010

SHOP COPY RETURN TO ENGINEERING

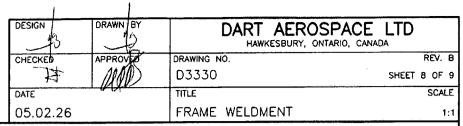
UNCONTROLLED COPY

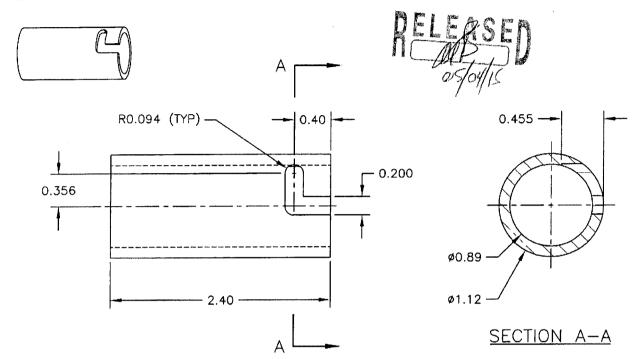
SUBJECT TO AMENDMEN WITHOUT NOTICE

NO 30919

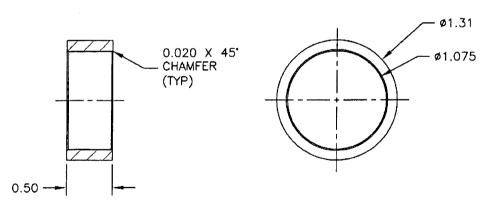
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D3330-17 HANDLE SOCKET



D3330-19 HANDLE RIM

NOTES:

1) MATERIAL: 1010-1025 ROUND BAR STEEL PER MILL-S-7097

(REF. DART SPEC. M1025TR) 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED SUBJECT TO AMENDMENT

3) ALL DIMENSIONS ARE INCHES 4) BREAK ALL SHARP EDGES 0.005 TO 0.010 SHOP COPY

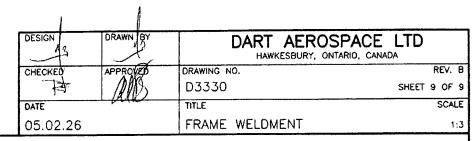
RETURN TO

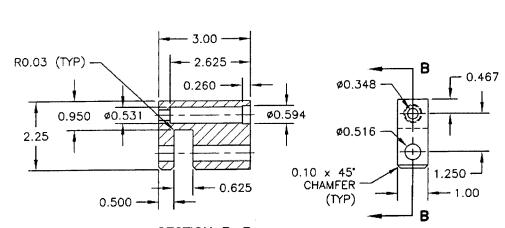
ENGINEERING

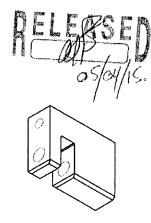
UNCONTROLLED COPY

WITHOUT NOTICE



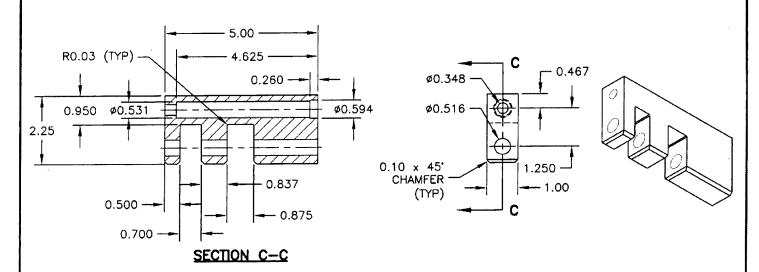






SECTION B-B

D3330-13 SHORT PIN BRACKET



D3330-11 LONG PIN BRACKET

1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570, 1.000 THICK STEELED COPY (REF. DART SPEC. M1010-B1.000x02.250)

2) TOLERANCES ARE DED DART OF COLUMN (REF. DART SPEC. M1010-B1.000x02.250)

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.010

SHOP COPY RETURN TO

SUBJECT TO AMENDMENT WITHOUT NOTICE